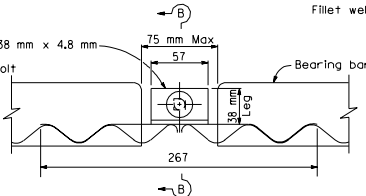
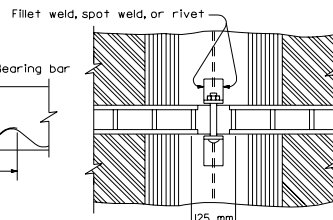


SECTION B-B



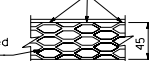
ELEVATION

MODIFIED HUGGER BAND



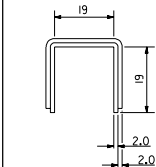
PART PLAN

Tack weld to bearing bar at every point of contact

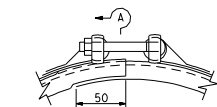


HEEL GUARD

See Note 11

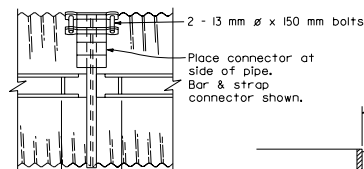


PARTIAL SECTION A-A

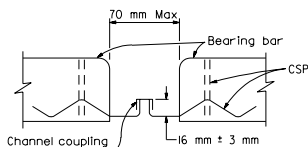


SIDE VIEW

NOTE  
As an alternate to swagged end an oversized bridge clip may be used.



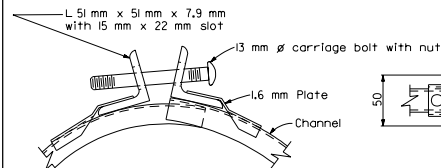
PART PLAN



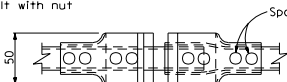
ELEVATION

BAR & STRAP CONNECTOR

See Standard Plan D97A



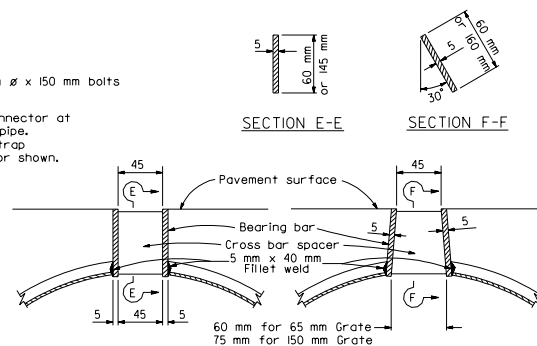
SIDE VIEW



PART PLAN

ANGLE CONNECTOR

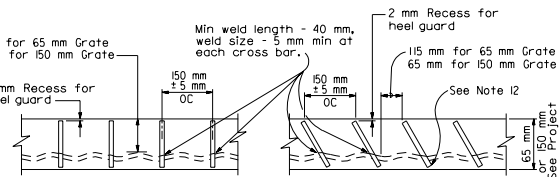
CHANNEL COUPLING BAND



RECTANGULAR SPACER

TAPERED SPACER

GRATE SLOT-SECTION



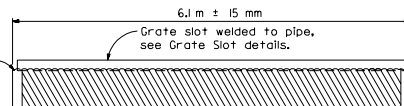
RECTANGULAR SPACER

TAPERED SPACER

GRATE SLOT-LONGITUDINAL ELEVATION VIEW

See Note 13

Reformed pipe ends, see coupler details this sheet.



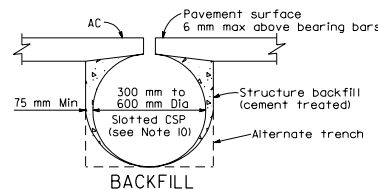
SLOTTED CORRUGATED STEEL PIPE



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
<p>July 1, 1999 PLANS APPROVAL DATE</p> <p>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</p>					
<p>REGISTERED PROFESSIONAL ENGINEER No. C34541 Exp. 9-30-99 CIVIL STATE OF CALIFORNIA</p>					

## NOTES

- Drain pipe seams may be continuous helical lock seam or helical weld seam.
- Drain sections shall be assembled with either of the coupling bands shown.
- The cross bar spacer shall be welded to the bearing bars in such a manner as to develop a minimum tensile strength of 55,000 N normal to the longitudinal axis of the bearing bars.
- The maximum variance from a straight line between the extreme top corners of the bearing bars shall be 12 mm in 6.0 m.
- All coupling band connections shall be galvanized or coated in accordance with the Standard Specifications.
- Spot welds shall develop minimum required strength of strap.
- Dimensions shown are minimums.
- Contractor to provide an adequate method of keeping the asphalt concrete out of pipe, during paving operations.
- Minimum pipe wall thickness is 1.6 mm.
- 600 mm Diameter will not support normal highway wheel loads.
- Use heel guard when specified.
- Bottom edge of cross bar spacer offset in direction of flow.
- Unless otherwise shown on the plans or specified in the special provisions, cross bar spacers shall be either rectangular or tapered at the contractor's option.



BACKFILL

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## SLOTTED CORRUGATED STEEL PIPE DRAIN DETAILS

NO SCALE

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

D98B